

Programs Visualize Earth and Space for Interactive Education



Jet Propulsion Laboratory

The Elumenati Milwaukee, Wisconsin

NASA Technology

- ◆ A team at JPL produced an interactive video-game style program to show the orbit insertion of Cassini, the first spacecraft to orbit Saturn, in real-time
- ◆ The team received requests to develop similar programs encompassing all of the spacecraft in orbit around Earth and in the Solar System



Partnership

- ◆ The team worked with The Elumenati, a company that provides domes, projection systems, and software to create immersive visual environments
- ◆ The partners rewrote the NASA programs using Elumenati's Omnity plugin for Unity3D, in order to show the content on domes and spheres
- ◆ Elumenati licensed the programs from NASA and now provides the spinoff product to its customers

Benefits

- ◆ Users can explore data from NASA missions at their own speed and time inside Elumenati theaters and use interactive controls to navigate to planets, asteroids, or satellites
- ◆ The markets for the software include schools, museums, science centers, and other institutions providing Earth and space science education